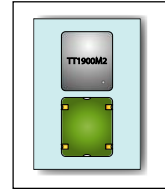


# TT-VT1900M2 TCXO/VCTCXO

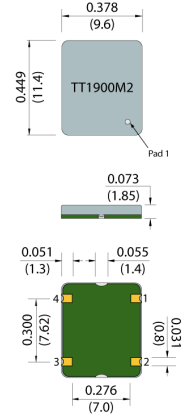


**FEATURES:**  
Clipped Sine  
Ceramic Package

**No Trimmer**  
**11.4 x 9.6 x 1.85 mm**

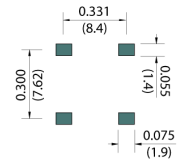
Parameter	Unit	Min.	Max.
Frequency Range	MHz	9.6	40
Frequency Tolerance at 25°C	ppm	-	±0.5
Frequency Stability			
vs. Supply Voltage (±5%) change	ppm	-	±0.3
vs. Load (±10%) change	ppm	-	±0.3
vs. Aging	ppm	-	±1.0
Current Consumption	mA	-	3.5
Storage Temperature Range	°C	-55	+125
Voltage		3.3, 5.0 ±5%	
Output Waveform		Clipped Sine	
Output Level	Vp-p	0.8	-
Load		10KOhms/10pF	
Control Voltage Range (VCTCXO)	V	0.5	2.5
Frequency Deviation (VCTCXO)	ppm	±5	±15
VC Input Impedance (VCTCXO)	KOhms	500	-

## TT-VT1900M2 Package



PAD	Function	PAD	Function
1	GND (TCXO)	2	GND
	Vcontrol (VCTCXO)		
3	Output	4	V <sub>DD</sub>

Measurements: Inches (mm)  
All tolerance: ±0.008 (±0.2)



Recommended Solder Pattern

### Frequency Stability vs. Temperature Range

Temperature	Stability (ppm)
-10 to 60°C	±1.0, ±2.5
-20 to 70°C	±1.0, ±2.5
-40 to 85°C	±2.5

### Environmental

Terminal Material	W
Terminal Plating	Ni-Au
REACH Compliant	Yes
RoHS Compliant	Yes
RoHS Exemptions	No
Re-flow Temp. Max.	260°C
MSL	1



**Example Part Number:** VT1900M2-A-18-A-27-24M576

VT1900M2	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>
		1		2		3		4		5
		<b>Stability</b>		<b>Voltage</b>		<b>Pull Range</b>		<b>Temp. Range</b>		<b>Frequency</b>
		A = ±2.5		50= 5.0 V		A = ±15		16= -10 to 60°C		Frequency in MHz
		B = ±1.0		33= 3.3V		B = ±10		27= -20 to 70°C		i.e. 24M576
						C = ±8		48= -40 to 85°C		use M for decimal
						D = ±5				point
						T = TCXO				